LAND APPLICATION AGREEMENT - BIOSOLIDS

A. This land application agreement is made on <u>5-7-2014</u> between <u>Brenda Dehart</u>, referred to here as "Landowner", and <u>Town of Christiansburg</u>, referred to here as the "Permittee". This agreement remains in effect until it is terminated in writing by either party or, with respect to those parcels that are retained by the Landowner in the event of a sale of one or more parcels, until ownership of all parcels changes. If ownership of individual parcels identified in this agreement changes, those parcels for which ownership has changed will no longer be authorized to receive biosolids or industrial residuals under this agreement.

Landowner:

The Landowner is the owner of record of the real property located in <u>Montgomery County</u>, Virginia, which includes the agricultural, silvicultural or reclamation sites identified below in Table 1 and identified on the tax map(s) attached as Exhibit A.

Table 1.: Parcels authorized to receive biosolids				
Tax Parcel ID	Tax Parcel ID	Tax Parcel ID	Tax Parcel ID	
006373	000308			
006280	006509			
006279	000303			
006274	012269			
017477				

Check one:

- ☐ The Landowner is the sole owner of the properties identified herein.
- The Landowner is one of multiple owners of the properties identified herein.

In the event that the Landowner sells or transfers all or part of the property to which biosolids have been applied within 38 months of the latest date of biosolids application, the Landowner shall:

- 1. Notify the purchaser or transferee of the applicable public access and crop management restrictions no later than the date of the property transfer, and
- 2. Notify the Permittee of the sale within two weeks following property transfer.

The Landowner has no other agreements for land application on the fields identified herein. The Landowner will notify the Permittee immediately if conditions change such that the fields are no longer available to the Permittee for application or any part of this agreement becomes invalid or the information herein contained becomes incorrect.

The Landowner hereby grants permission to the Permittee to land apply biosolids on the agricultural sites identified above and in Exhibit A. The Landowner also grants permission for DEQ staff to conduct inspections on the land identified above, before, during or after land application of biosolids for the purpose of determining compliance with regulatory requirements applicable to such application.

Brenda Dehart	Brenda K	lestart	
Landowner - Printed Name, Title	Signatu/e		
1226 Walton Road, Christiansburg	a, VA 24073		
Mailing Address		120	

Permittee:

<u>Town of Christiansburg</u>, the Permittee, agrees to apply biosolids on the Landowner's land in the manner authorized by the VPDES Permit Regulation and in amounts not to exceed the rates identified in the nutrient management plan prepared for each land application field by a person certified in accordance with §10.1-104.2 of the Code of Virginia.

The Permittee agrees to notify the Landowner or the Landowner's designee of the proposed schedule for land application and specifically prior to any particular application to the Landowner's land. Notice shall include the source of residuals to be applied.

□ I reviewed the documents assigning signatory authority to the person signing for landowner above. I will make a copy of this document available to DEQ for review upon request. (Do not check this box if the landowner signs this agreement)

Randy Wingfield, Town Manager

Permittee – Authorized Representative

Signature

Nailing Address

Permittee – Authorized Representative Printed Name

Rev 9/14/2012

LAND APPLICATION AGREEMENT - BIOSOLIDS

Permittee: Town of Christiansburg County or City: Christiansburg, VA

Landowner: Brenda Dehart

Landowner Site Management Requirements:

I, the Landowner, I have received a DEQ Biosolids Fact Sheet that includes information regarding regulations governing the land application of biosolids, the components of biosolids and proper handling and land application of biosolids.

I have also been expressly advised by the Permittee that the site management requirements and site access restrictions identified below must be complied with after biosolids have been applied on my property in order to protect public health, and that I am responsible for the implementation of these practices.

I agree to implement the following site management practices at each site under my ownership following the land application of biosolids at the site:

1. Notification Signs: I will not remove any signs posted by the Permittee for the purpose of identifying my field as a biosolids land application site, unless requested by the Permittee, until at least 30 days after land application at that site is completed.

2. Public Access

- a. Public access to land with a high potential for public exposure shall be restricted for at least one year following any application of biosolids.
- b. Public access to land with a low potential for public exposure shall be restricted for at least 30 days following any application of biosolids. No biosolids amended soil shall be excavated or removed from the site during this same period of time unless adequate provisions are made to prevent public exposure to soil, dusts or aerosols:
- c. Turf grown on land where biosolids are applied shall not be harvested for one year after application of biosolids when the harvested turf is placed on either land with a high potential for public exposure or a lawn, unless otherwise specified by DEQ.

3. Crop Restrictions:

- a. Food crops with harvested parts that touch the biosolids/soil mixture and are totally above the land surface shall not be harvested for 14 months after the application of biosolids.
- b. Food crops with harvested parts below the surface of the land shall not be harvested for 20 months after the application of biosolids when the biosolids remain on the land surface for a time period of four (4) or more months prior to incorporation into the soil,
- c. Food crops with harvested parts below the surface of the land shall not be harvested for 38 months when the biosolids remain on the land surface for a time period of less than four (4) months prior to incorporation.
- d. Other food crops and fiber crops shall not be harvested for 30 days after the application of biosolids;
- e. Feed crops shall not be harvested for 30 days after the application of biosolids (60 days if fed to lactating dairy animals).

4. Livestock Access Restrictions:

Following biosolids application to pasture or hayland sites:

- a. Meat producing livestock shall not be grazed for 30 days,
- b. Lactating dairy animals shall not be grazed for a minimum of 60 days.
- c. Other animals shall be restricted from grazing for 30 days;
- 5. Supplemental commercial fertilizer or manure applications will be coordinated with the biosolids and industrial residuals applications such that the total crop needs for nutrients are not exceeded as identified in the nutrient management plan developed by a person certified in accordance with §10.1-104.2 of the Code of Virginia;
- 6. Tobacco, because it has been shown to accumulate cadmium, should not be grown on the Landowner's land for three years following the application of biosolids or industrial residuals which bear cadmium equal to or exceeding 0.45 pounds/acre (0.5 kilograms/hectare).

Landowner's Signature

Date

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VPDES SEWAGE SLUDGE PERMIT APPLICATION FORM SECTION C: LAND APPLICATION OF BULK BIOSOLIDS			
A. This land application agr "Landowner", and <u>Town of</u> until it is terminated in writir the event of a sale of one o identified in this agreement	eement is made on 5-9-2. Christiansburg, referred to her g by either party or, with respir more parcels, until ownership changes, those parcels for what is agreed the same of	between Carl Dehale e as the "Permittee". This agect to those parcels that are rop of all parcels changes. If ownich ownership has changed were the control of the change	reement remains in effect etained by the Landowner in vnership of individual parcels
	er of record of the real property or reclamation sites identified		
	Table 1.: Parcels author	ized to receive biosolids	
Tax Parcel ID	Tax Parcel ID	Tax Parcel ID	Tax Parcel ID
006373	000308		
006280	006509		
006279	000303		
006274	012269		
017477			
Check one: ☐ The ✓ The In the event that the Landow within 38 months of the late 1. Notify the purchase later than the date of 2. Notify the Permittee The Landowner has no other notify the Permittee immedi	d Application Sites are identified on Section Landowner is the sole owner at Landowner is one of multiple where sells or transfers all or past date of biosolids application or transferee of the application of the property transfer; and a of the sale within two weeks are agreements for land applicately if conditions change such this agreement becomes investigated.	r of the properties identified he e owners of the properties identified the art of the property to which bion, the Landowner shall: le public access and crop man following property transfer. Ition on the fields identified he to that the fields are no longer	ntified herein. solids have been applied nagement restrictions no erein. The Landowner will available to the Permittee
	nts permission to the Permitte e Landowner also grants perm		

d identified above, before, during or after land application of biosolids for the purpose of determining compliance with regulatory requirements applicable to such application.

	/)			LA.	
Carl Dehart	/ a		reso	W	
Landowner – Print	ed Name, T	itle Sig	gnature V	9	
1226 Walton Ro	ad, Christ	<u>tiansburg, V</u>	/A 24073		
Mailing Address		•			

Permittee:

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Randy Wingfield, Town Manager

100 E. Main St., Christiansburg, VA 24073

Permittee - Authorized Representative

Printed Name

Mailing Address

Rev 9/14/2012

LAND APPLICATION AGREEMENT - BIOSOLIDS

Permittee: <u>Town of Christiansburg</u> County or City: <u>Christiansburg</u>, VA

Landowner: Carl Dehart

Landowner Site Management Requirements:

I, the Landowner, I have received a DEQ Biosolids Fact Sheet that includes information regarding regulations governing the land application of biosolids, the components of biosolids and proper handling and land application of biosolids.

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Landowner's Signature

Date

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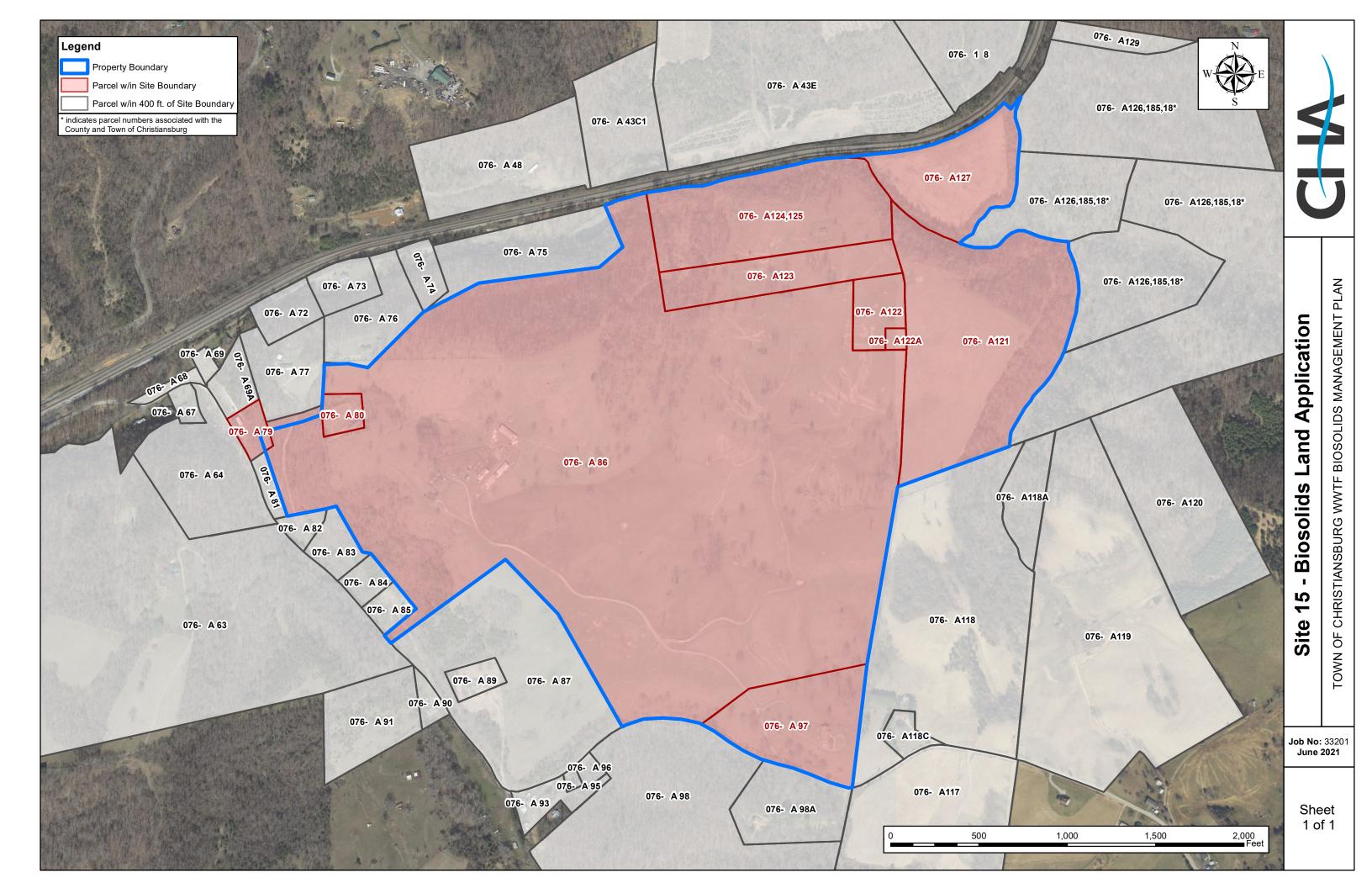
LAND APPLICATION AGREEMENT - BIOSOLIDS

Landowner Coordination Form

This form is used by the Permittee to identify properties (tax parcels) that are authorized to receive biosolids and each of the legal landowners of those tax parcels. A *Land Application Agreement – Biosolids* form, pages 1 and 2 with original signature must be attached for each legal landowner identified below prior to land application at the identified parcels.

Permittee: Town of Christiansburg	
County or City: Christiansburg, VA	
Please Print	(Signatures not required on this page)
Tax Parcel ID(s)	<u>Landowner(s)</u>
006373	Carl Dehart and Brenda Dehart
006280	Carl Dehart and Brenda Dehart
006279	Carl Dehart and Brenda Dehart
006274	Carl Dehart and Brenda Dehart
017477	Carl Dehart and Brenda Dehart
000308	Carl Dehart and Brenda Dehart
006509	Carl Dehart and Brenda Dehart
000303	Carl Dehart and Brenda Dehart
012269	Carl Dehart and Brenda Dehart

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1 Research Center Drive, Suite

CHRISTIANSBURG WASTEWATER TREATMENT FACILITY BIOSOLIDS MANAGEMENT PLAN ОЕ TOWN

GENERAL LOCATIONS MAP

Job No: 33201 JUNE 2019

Sheet 1 of 1

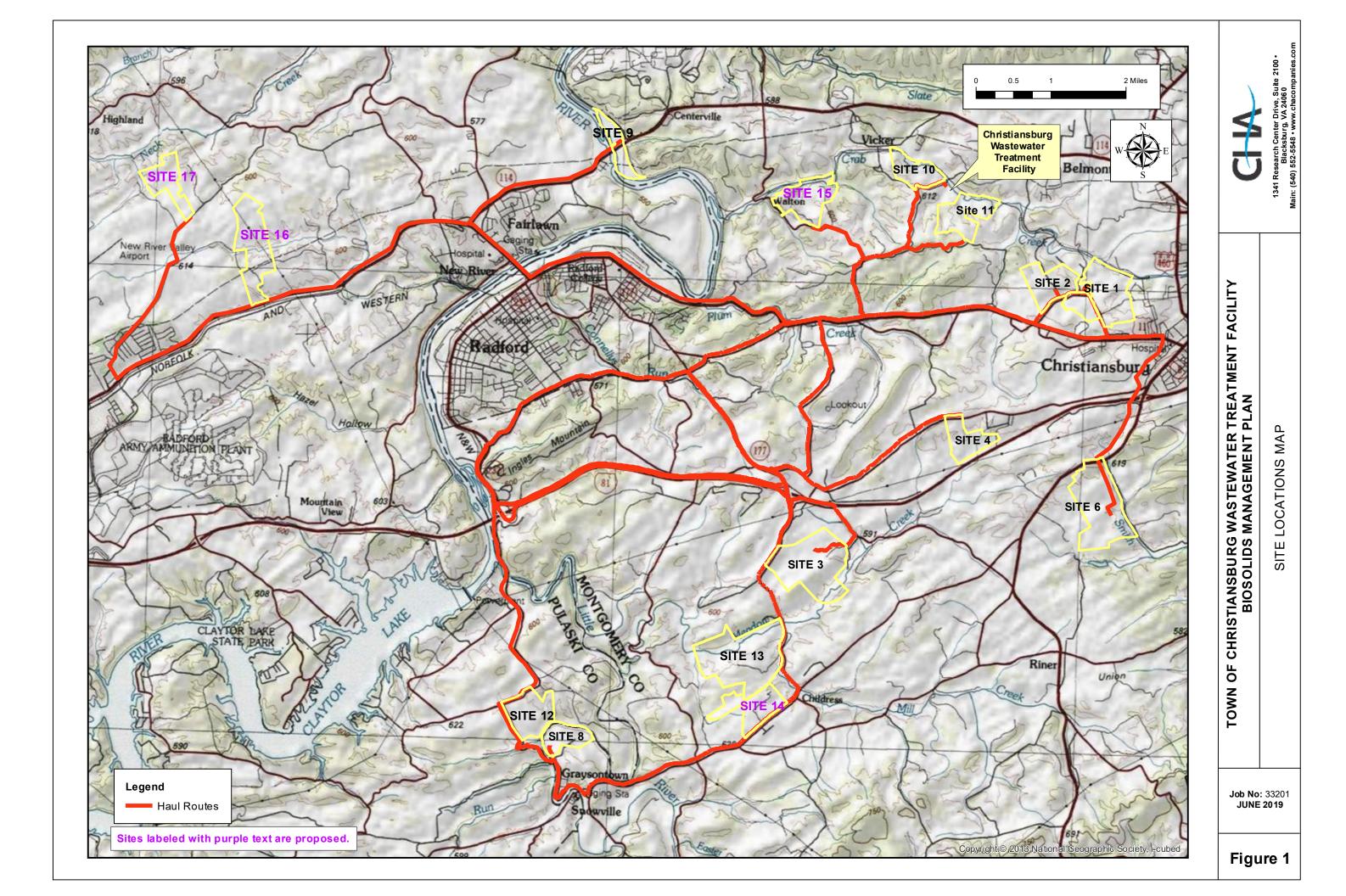


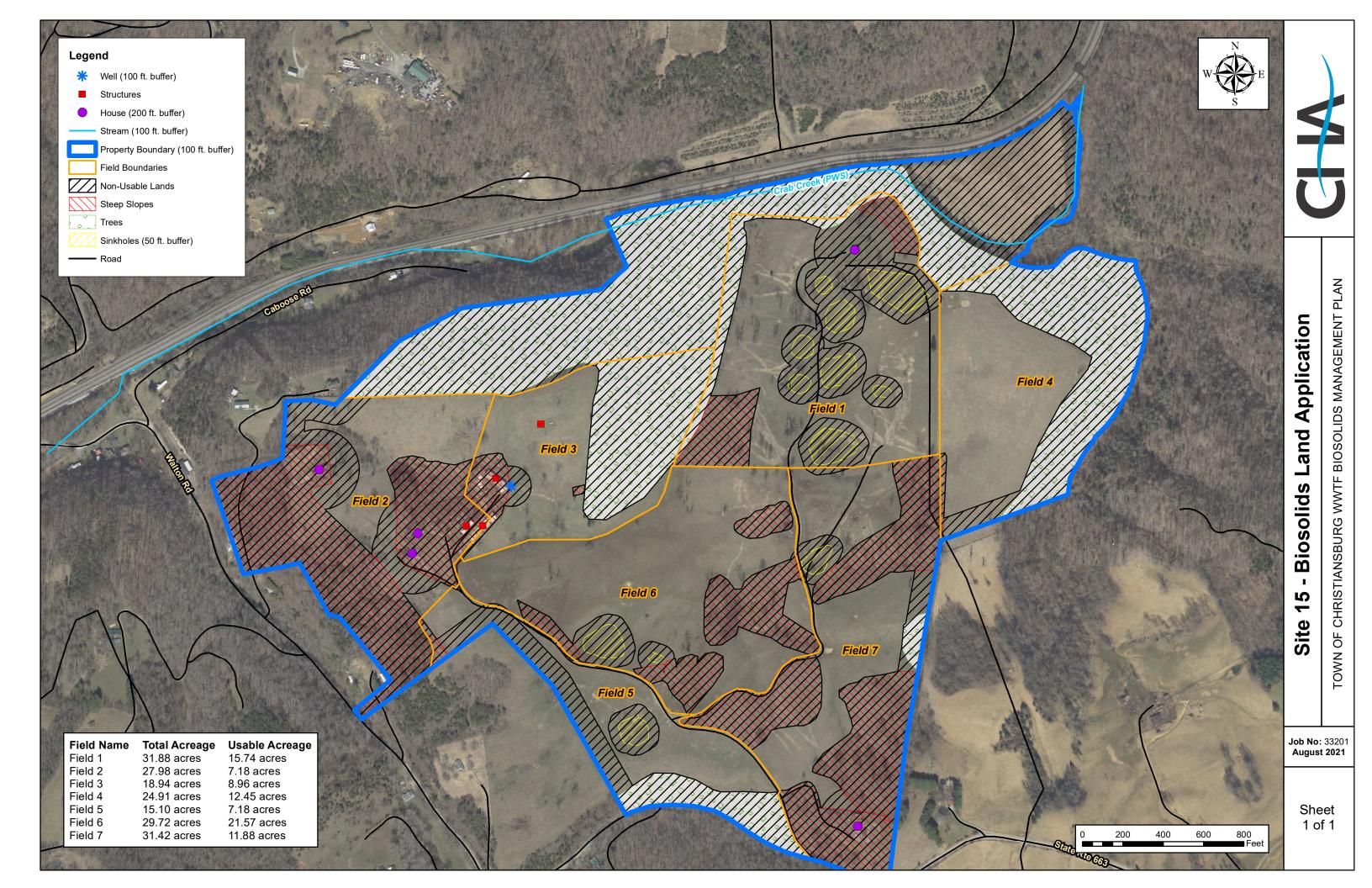
TOWN OF CHRISTIANSBURG WASTEWATER TREATMENT FACILITY BIOSOLIDS MANAGEMENT PLAN

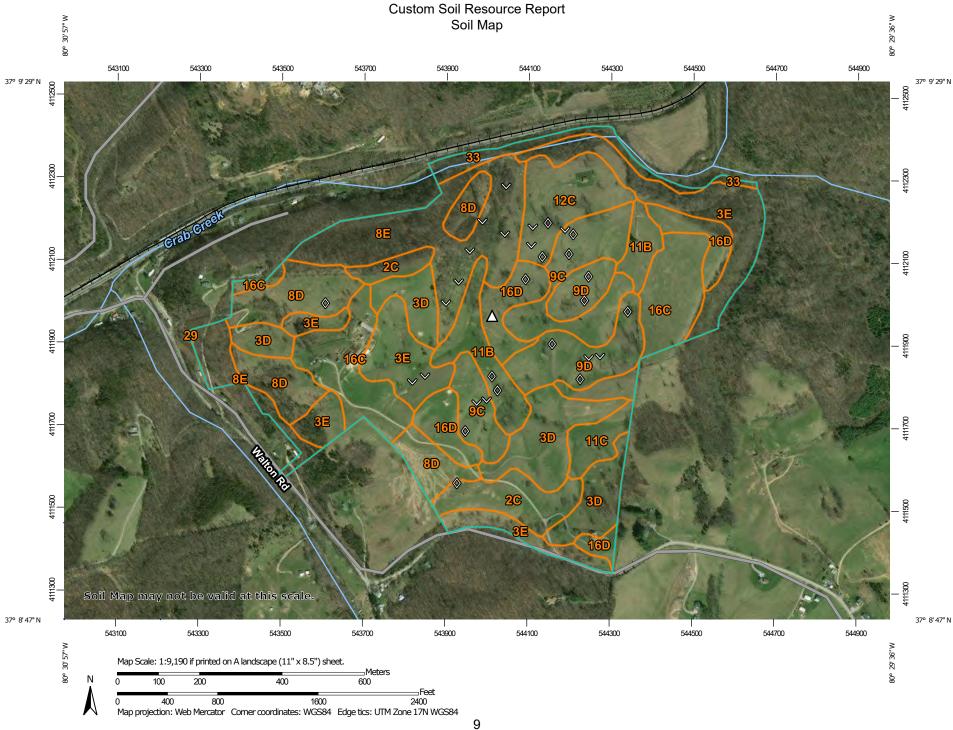
GENERAL LOCATION MAP - SITE 15

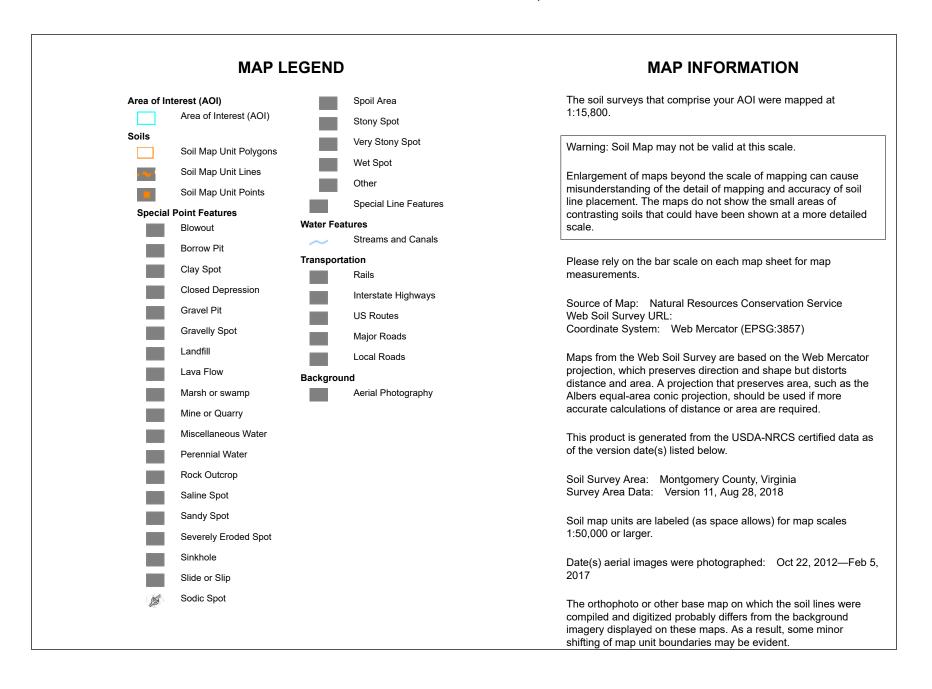
Job No: 33201 JUNE 2019

Sheet 1 of 1









Map Unit Legend

Map Unit Symbol	Map Unit Name	Acres in AOI	Percent of AOI
2C	Berks-Groseclose complex, 7 to 15 percent slopes	10.0	4.8%
3D	Berks-Lowell-Rayne complex, 15 to 25 percent slopes	22.1	10.7%
3E	Berks-Lowell-Rayne complex, 25 to 65 percent slopes	29.5	14.3%
8D	Caneyville-Opequon-Rock outcrop complex, 7 to 25 percent slopes	20.0	9.7%
8E	Caneyville-Opequon-Rock outcrop complex, 25 to 60 percent slopes	26.9	13.1%
9C	Carbo and Chilhowie soils, 7 to 15 percent slopes	16.7	8.1%
9D	Carbo and Chilhowie soils, 15 to 25 percent slopes	13.7	6.6%
11B	Duffield-Ernest complex, 2 to 7 percent slopes	10.5	5.1%
11C	Duffield-Ernest complex, 7 to 15 percent slopes	3.8	1.9%
12C	Frederick and Vertrees silt loams, 7 to 15 percent slopes	10.6	5.1%
16C	Groseclose and Poplimento soils, 7 to 15 percent slopes	23.2	11.3%
16D	Groseclose and Poplimento soils, 15 to 25 percent slopes	14.2	6.9%
29	Udorthents and Urban land	0.0	0.0%
33	Weaver soils	4.7	2.3%
Totals for Area of Interest	,	205.9	100.0%

Map Unit Descriptions

The map units delineated on the detailed soil maps in a soil survey represent the soils or miscellaneous areas in the survey area. The map unit descriptions, along with the maps, can be used to determine the composition and properties of a unit.

A map unit delineation on a soil map represents an area dominated by one or more major kinds of soil or miscellaneous areas. A map unit is identified and named according to the taxonomic classification of the dominant soils. Within a taxonomic class there are precisely defined limits for the properties of the soils. On the landscape, however, the soils are natural phenomena, and they have the characteristic variability of all natural phenomena. Thus, the range of some observed properties may extend beyond the limits defined for a taxonomic class.